

SEQUENCE LISTING



#3

<110> Flicker, Sabine

<120> Group 2 Allergen Specific IgE-fabs and Use Thereof

<130> 25401-4

<140> 10/027,725

<141> 2001-12-21

<150> US 60/259,436

<151> 2000-12-29

<160> 12

<170> PatentIn version 3.1

<210> 1

<211> 342

<212> DNA

<213> Homo sapiens

<400> 1	
ctcgagtctg gccaggact ggtgaagcct gcacagaccc tgtccctcag ctgcgctgtc	60
tctggcggct ccatccgcag tgggtggttac tactggagtt ggatccgcca acaccagg	120
aagggcctgg agtggattgg gtacatctat cacagtggga acacctaca caaccgtcc	180
ctcaagagtc gaattgccat gtcggtagac acgtctgaga acaagttctc cctgaggctg	240
aactctgtga ctgccgcgga cacggccgtg tattactgtg cgaggttaga tggctacact	300
ttggacatct ggggccaggg aaccctggtc accgtctcct ca	342

<210> 2

<211> 342

<212> DNA

<213> Homo sapiens

<400> 2
ctcgagtctg gcccaggact ggtgaagcct tcacagaccc tgtccctcac ctgcactgtc 60
tctggtggct ccatccgcag tgggtggttat tattggagtt ggggccgcca gcctccaggg 120
aagggcctgg agtggatcgg caacatctat cacagtggca acacctataa caaccctgcc 180
ctcaagagtc gaattaccat gtcagtagac acgtctaaga accacttctc cctgagactg 240
acctctgtga ctgccgcgga cacggccgtc tattactgtg cgcggtcaga tgggtatact 300
ttggacaact ggggccaggg aaccctgggc accgtctcct ca 342

<210> 3

<211> 342

<212> DNA

<213> Homo sapiens

<400> 3
ctcgagtctg gcccaggact ggtgaagcct tcacagaccc tgtccctcac ctgcactgtc 60
tctggtggct ccatccgcag tgggtggttat tactggagtt ggatccgcca gcgtccaggg 120
aagggcctgg agtggatcgg gtacatctat cacagtggca acacctataa caaccctgcc 180
ctcaagagtc gagttaccat gtcagtagac acgtctaaga accacttctc cctgaggctg 240
agctctgtga ctgccgcgga cacggccgtg tattactgtg cgaggtcaga tgggtacact 300
ttggacaact ggggccaggg aaccctgggc accgtctcct ca 342

<210> 4

<211> 318

<212> DNA

<213> Homo sapiens

<400> 4
gagctcactc agtctccatc ctccctgtct gcatctgtgg gagacagagt caccatcagt 60
tgccgggcaa gtcagagaat taacacctat ttaaattggt atcagcataa accagggaaa 120
gccctaagc tcctgatcta tgctgcatcc agtttgcaaa gtgggggtccc atcaaggttc 180
agtggcagtg gatatgggac agacttcact ctccacctca gcagtctgca gcctgaagat 240
tttgcaagtt actactgtca agagagtctc agtgcctcgt acacttttgg ccagggggacc 300
aaggtggaga tcaaacga 318

<210> 5
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 5
 gagctcacc agtctccatc ctccctgtct gcctctgtag gagacagagt caccatcact 60
 tgccgggcac gtcagagtat tagcacctat tttaaattggt atcagcagaa accggggaag 120
 gccctaagc tcctgatctg tagtgcattc aatttgcaaa gtgggggtccc atccagggtc 180
 agtggcagtg gatctgggac agagttcact ctcaccatca gcaatctgca acctgaagac 240
 tttgcaagtt actactgtca acagagttac actaccttat ataccttcgg ccctgggacc 300
 aaactggaga tcaaacga 318

<210> 6
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 6
 gagctcacgc agtctccatc ttccgtgtct gcatctgtag gagacagagt caccataact 60
 tgctgggcca gtcagggtat tagcagttgg ttagcctggt atcagcagaa accagggaaa 120
 gccctaatac tcctgatcta ttctgcatcc agtttgcaaa gtgggggtccc gtcaagggtc 180
 agcggcagtg gatctgggac agatttcagt ctcaccatca gcagcctgca gcctgaagat 240
 tctgcaactt actattgtca acaggctaac agtttcccgt acacttttgg ccaggggacc 300
 aaggtggaaa tcaaacga 318

<210> 7
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 7
 Leu Glu Ser Gly Pro Gly Leu Val Lys Pro Ala Gln Thr Leu Ser Leu
 1 5 10 15

Ser Cys Ala Val Ser Gly Gly Ser Ile Arg Ser Gly Gly Tyr Tyr Trp
20 25 30

Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr
35 40 45

Ile Tyr His Ser Gly Asn Thr Tyr Tyr Asn Pro Ser Leu Lys Ser Arg
50 55 60

Ile Ala Met Ser Val Asp Thr Ser Glu Asn Lys Phe Ser Leu Arg Leu
65 70 75 80

Asn Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Leu
85 90 95

Asp Gly Tyr Thr Leu Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val
100 105 110

Ser Ser

<210> 8

<211> 114

<212> PRT

<213> Homo sapiens

<400> 8

Leu Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu
1 5 10 15

Thr Cys Thr Val Ser Gly Gly Ser Ile Arg Ser Gly Gly Tyr Tyr Trp
20 25 30

Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly Asn
35 40 45

Ile Tyr His Ser Gly Asn Thr Tyr Tyr Asn Pro Ser Leu Lys Ser Arg
50 55 60

Ile Thr Met Ser Val Asp Thr Ser Lys Asn His Phe Ser Leu Arg Leu
65 70 75 80

Thr Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Ser
85 90 95

Asp Gly Tyr Thr Leu Asp Asn Trp Gly Gln Gly Thr Leu Val Thr Val
100 105 110

Ser Ser

<210> 9

<211> 114

<212> PRT

<213> Homo sapiens

<400> 9

Leu Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln Thr Leu Ser Leu
1 5 10 15

Thr Cys Thr Val Ser Gly Gly Ser Ile Arg Ser Gly Gly Tyr Tyr Trp
20 25 30

Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr
35 40 45

Ile Tyr His Ser Gly Asn Thr Tyr Tyr Asn Pro Ser Leu Lys Ser Arg
50 55 60

Val Thr Met Ser Val Asp Thr Ser Lys Asn His Phe Ser Leu Arg Leu
65 70 75 80

Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Ser
85 90 95

Asp Gly Tyr Thr Leu Asp Asn Trp Gly Gln Gly Thr Leu Val Thr Val
100 105 110

Ser Ser

<210> 10

<211> 106

<212> PRT

<213> Homo sapiens

<400> 10

Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg

1 5 10 15
 val Thr Ile Ser Cys Arg Ala Ser Gln Arg Ile Asn Thr Tyr Leu Asn
 20 25 30
 Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ala
 35 40 45
 Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
 50 55 60
 Tyr Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Phe Glu Asp
 65 70 75 80
 Phe Ala Ser Tyr Tyr Cys Gln Glu Ser Leu Ser Ala Ser Tyr Thr Phe
 85 90 95
 Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
 100 105

<210> 11

<211> 106

<212> PRT

<213> Homo sapiens

<400> 11

Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg
 1 5 10 15
 val Thr Ile Thr Cys Arg Ala Arg Gln Ser Ile Ser Thr Tyr Leu Asn
 20 25 30
 Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Trp Ser
 35 40 45
 Ala Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
 50 55 60
 Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Asn Leu Gln Phe Glu Asp
 65 70 75 80
 Phe Ala Ser Tyr Tyr Cys Gln Gln Ser Tyr Thr Thr Leu Tyr Thr Phe
 85 90 95
 Gly Ser Gly Thr Lys Leu Glu Ile Lys Arg
 100 105

<210> 12

<211> 106

<212> PRT

<213> Homo sapiens

<400> 12

Glu Leu Thr Gln Ser Pro Ser Ser Val Ser Ala Ser Val Gly Asp Arg
1 5 10 15

Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Trp Leu Ala
20 25 30

Trp Tyr Gln His Gln Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ser
35 40 45

Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
50 55 60

Tyr Gly Thr Asp Phe Ser Leu Thr Ile Ser Ser Leu Gln Phe Glu Asp
65 70 75 80

Ser Ala Thr Tyr Tyr Cys Gln Gln Ala Asn Ser Phe Pro Tyr Thr Phe
85 90 95

Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 105